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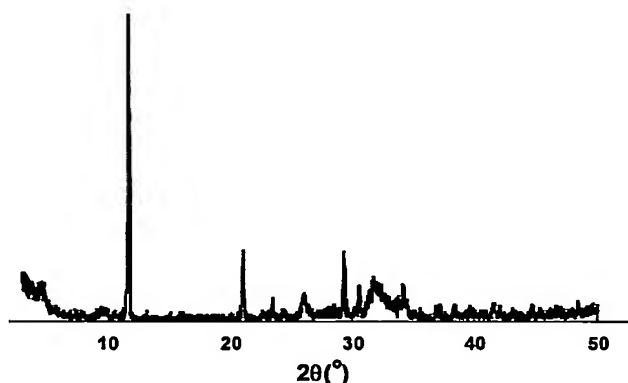
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(54) Title: **COMPOSITE BIOMATERIALS COMPRISING CALCIUM PHOSPHATE MATERIALS, COLLAGEN AND GLYCOSAMINOGLYCANS**



XRD pattern of composite following co-precipitation (Cu-K $\alpha$  radiation).

(57) Abstract: A process for the production of a composite material comprising collagen, brushite and one or more glycosaminoglycans, said process comprising the steps of providing an acidic aqueous solution comprising collagen, a calcium source and a phosphorous source and one or more glycosaminoglycans, and precipitating the collagen, the brushite and the one or more glycosaminoglycans together from the aqueous solution to form a triple co-precipitate.

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